



Javier Ramiro Poveda Figueroa

Cuenca, Azuay, Ecuador

Nationality

Ecuadorian

Areas of specialization

Early modern history, history of computing, history of artificial intelligence, human computer interaction, disability studies, history of science in twentieth century Ecuador

Areas of competence

Scientific international relations, history of the European academies of science, technology for social inclusion, Benjamin Carrion Mora.

Languages

Spanish (native), English (fluent), German (limited working proficiency)

Education

2006-2013 Bachelor in ingeniería de sistemas

Universidad Politécnica Salesiana del Ecuador

Thesis: Esquemas de Votación Borda aplicados a la clasificación de imágenes utilizando los histogramas de color RGB, HSV, y el descriptor de distribución de color MPEG-7

Supervisor: Prof. Vladimir Robles Bykbaev

2013-2015 Master in artificial intelligence

Universitat de Barcelona, Universitat Politècnica de Catalunya and Universitat Rovira i Virgili

Thesis: Monitoring motor states of Parkinson's disease patients during resting periods and posture transitions using inertial systems

Supervisor: Prof. Joan Cabestany Moncusi

2016- 2017 Master in history of science

Universitat de Barcelona and Universitat Autònoma de Barcelona

Thesis: Science and power in eighteenth century Prussia: Kant's *Gedanken* in context

Supervisor: Prof. Silvia De Bianchi

2017-2022 PhD candidate in history of science

Universitat Autònoma de Barcelona

Thesis: Computational intractability, artificial intelligence, and the Cold War

Supervisor: Prof. Thomas Sturm

Examiners: Michael Barany, Oliver Hochadel, and David Casacuberta Sevilla

Experience

2013-2013 Past president and founder of the IEEE Computer Society student chapter at Universidad Politecnica Salesiana del Ecuador sede Cuenca

2018-2021 Member of the editorial board of the NODES magazine of the Catalan Association for Artificial Intelligence.

Publications

Figueroa, J.P., & Robles, V. (2012). Image retrieval based on the combination of RGB and HSV's histograms and Colour Layout Descriptor. *Ingenius*, 7, 3-10

Figueroa, J.P., & Robles V. (2012). Combination of HSV and RGB histograms and MPEG-7 Descriptor: Preliminar results and future work. *Ingenius*, 8, 3-10

Aguiar, S., Erazo, A., Garces, E., Atiencia, F., & Poveda, J. (2016). Development of a smart glove as a communication tool for people with hearing impairment and speech disorders. *2016 IEEE Ecuador Technical Chapters Meeting (ETCM)*, 1-6

Book reviews

Figueroa, J. (2021). Alexander Wragge-Morley, Aesthetic science: Representing nature in the Royal Society of London, 1650-1720. *The British journal for the history of science*, 54(3), 394-396

Poveda Figueroa, J. (2021). Review of Zhang, Meng. Timber and Forestry in Qing China: Sustaining the market. *H-Environment, H-Net reviews*

Poveda Figueroa, J. (2022). Van Doornum, Gerard; van Helvoort, Ton and Sankaran, Neeraja. Leeuwenhoek's legates and Beijerinck's beneficiaries: a history of medical virology in the Neetherlands. *Dynamis: Acta Hispanica ad Medicinae Scientiarumque Historiam Illustradam*, 42(1), 319-322.

Talks

Universidad Politecnica Salesiana del Ecuador: Content based image retrieval. December 2, 2012

IMF-CSIC: *Dialogues with Prof. Ludmilla Jordanova. The problem of computational intractability and artificial intelligence: From the Datmouth conference to the P-NP problem (1955-1971).* February 20, 2020

European Researcher's Nights: Los límites en el proceso de toma de decisiones. November 27, 2020. <https://www.youtube.com/watch?v=W87jwJaHqZU>

British Society for the History of Science annual conference: *The divergence between artificial intelligence and computational complexity.* July 13, 2021

26th International Congress of History of Science and Technology: *Shaping*

Cold War science: The case of Herbert Simon and Hao Wang. July 26, 2021

European Researcher's Nights: Els orígens de la complexitat computacional. September 24, 2021. <https://www.youtube.com/watch?v=X5PpUg8rknY>

Deutsches Museum: *The Computer model of the mind and computational intractability.* November 30, 2021

Logos Research Group at the University of Barcelona: *The formalization of computational intractability (1936-1963).* February 16, 2022.

IMF-CSIC: La intratabilidad computacional y su desarrollo en la Guerra Fría (1956-1971). March 18, 2022

InsSciDE Open Conference: Science Diplomacy, Diversity, and the Global South: *The role of the Berlin Academy of Sciences in the cultural and economic development during the first half of the eighteenth century.* March 22, 2022

BSHS postgraduate conference 2022: *The second 'Vis Viva' debate at the Berlin Academy of Sciences.* April 30, 2022

European University Institute: The making and unmaking of identities in the Early Modern Mediterranean: *Eugenio de Santacruz y Espejo and the failure to build a Spanish Natural Philosophy during the eighteenth century.* May 13, 2022.

Cambridge University: Workshop for the Early Modern Period (WEMP): The influence of the Geodesic Mission on Eugenio Espejo's *Reflexiones acerca de las viruelas* (1785). October 10, 2022.

The Society for the History of Natural History: Early career researcher symposium: Calaway Dodson, Carlyle Luer, and the creation of the Herbario del Museo Nacional de Ciencias Naturales de Quito. February 23, 2023.

Media appearances

Hugo, D. (2013). Javier Poveda: Ingenio y talento al servicio de la comunidad. *Utopía*, 79, 82-83. https://ww1.ups.edu.ec/en/web/guest/revista-utopia/-/document_library_display/fXKdNN7fVhLQ/viewf/7027479

Cuenca: Capítulo IEEE de Computer Society de la UPS fue aprobado por la IEEE internacional. Universidad Politecnica Salesiana. August 6, 2013.

<https://www.ups.edu.ec/en/noticias?articleId=113124>

Un guante interactivo ecuatoriano gana el Hacking Medicine. Edición médica, December 15, 2015

<https://www.edicionmedica.ec/secciones/profesionales/un-guante-interactivo-ecuatoriano-gana-el-hacking-medicine-86890>

Ecuatorianos crean guante interactivo para facilitar comunicación a personas con discapacidad auditiva. El Comercio, September 21, 2016

<https://www.elcomercio.com/tendencias/ciencia/ecuatorianos-guante-comunicacion-discapacidad-audicion.html>

Morcis: el invento que llena de orgullo a la comunidad USFQ. Aula Magna:

Publicación mensual de la Universidad San Francisco de Quito, May 12, 2017

<https://aulamagna.usfq.edu.ec/?p=4794>

Colloquis SCHCT: Dialects amb la professora Ludmilla Jordanova a Barcelona.
(Dijous 20 febrer). Lo Campus Diari. February 13, 2020

<http://locampusdiari.com/arxiu/47125>

Awards, distinctions, grants, fellowships

2015 Winner of the first MIT Hacking Medicine of Ecuador

2021 Third place of the virtual MIT Grand Hack.

2021 Winner of the virtual Yale CBIT Healthcare Hackathon

Membership in societies

Barcelona History and Philosophy of Science reading group at the Autonomous University of Barcelona

Catalan Association for Artificial Intelligence: <https://www.acia.cat/>

Logos Research Group at the University of Barcelona:

http://www.ub.edu/grc_logos/index.php